

SEQUENCE LISTING

<110> Aphton Corporation

<120> Chimeric Peptide for Use as Immunogen

<130> 1102865-0047

<150> 60/202,328

<151> 2000-05-05

<160> 20

<170> PatentIn version 3.0

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<223> Pyroglutamic acid or 5-oxoproline

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<223> Amidated-glycine or glycinamide

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Glu His Trp Ser Tyr Gly Leu Arg Pro Gly

1 5 10

<210> 2

<211> 16

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<222> (1)..(16)

PatentIn version 3.0

<223> Amino acid sequence 829-844 of the Tetanus
Toxoid Precursor (Tentoxylisin)

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Met Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu
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<222> (1)..(20)

<223> Amino acid sequence 378-398 of the Plasmodium
falciparum circumsporozoite protein

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Asp Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn
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Val Val Asn Ser
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<222> (1)..(21)

<223> Amino acid sequence 947-967 of Tetanus
Toxoid Precursor (Tentoxylisin)

401030" 42321359

<400> 4

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1 5 10 15

Ala Ser His Leu Glu
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Gly Pro Ser Leu
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Ser Ser Gly Pro Ser Leu
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Ser Ser Gly Pro Ser Leu Lys Leu
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"F01090" testbed

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Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly Val Glu
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<223> Amidated Lysine

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<223> Peptide corresponds to the amino acid sequences 288-302 of the
measles virus fusion protein, F

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<223> Spacer peptide

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<223> Amino acids 2-10 of the human GnRH hormone

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<223> Amidated glycine or glycineamide

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Ala Ser His Leu Glu Gly Pro Ser Leu His Trp Ser Tyr Gly Leu Arg
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Pro Gly

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<222> (28)..(28)

<223> Amidated-glycine or glycineamide

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<223> Amino acid sequence 830-844 of the Tetanus Toxoid Precursor
(Tentoxylisin)

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<223> Amino acid sequence 2-10 of the human GnRH hormone

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Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu Gly
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Pro Ser Leu His Trp Ser Tyr Gly Leu Arg Pro Gly
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(CSP) protein

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Gly

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virus fusion protein, F

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$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

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$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

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$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

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Glu His Trp Ser Tyr Gly Leu Arg Pro Gly Ser Ser Gly Pro Ser Leu
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Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu
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<212> PRT

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<223> Pyroglutamic acid or 5-oxoproline

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<222> (1)..(10)

<223> Amino acid sequence 1-10 of the human GnRH hormone

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<222> (11)..(16)

<223> Spacer peptide

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<221> PEPTIDE

<222> (17)..(36)

<223> Amino acid sequence 378-398 of the Malaria
(Plasmodium falciparum) circumsporozoite
(CSP) protein

"f04090" head00

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Asp Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn
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<223> Amino acid sequence 1-10 of the human GnRH hormone

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<222> (19)..(34)
<223> Amino acid sequence 288-302 of the Measles virus fusion protein, F

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Lys Leu Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly
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Val Glu Gly Pro Ser Leu His Trp Ser Tyr Gly Leu Arg Pro Gly
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<223> Pyroglutamic acid or 5-oxoproline

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<223> Amino acid sequence 947-967 of the Tetanus Toxoid Precursor
(Tentoxylisin)

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<223> Amidated glycine or glycineamide

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Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
20 25 30

Ala Ser His Leu Glu Gly Pro Ser Leu His Trp Ser Tyr Gly Leu Arg
35 40 45

Pro Gly
50

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<222> (38)..(46)

<223> Amino acid sequence 2-10 of the human GnRH hormone

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Glu His Trp Ser Tyr Gly Leu Arg Pro Gly Ser Ser Gly Pro Ser Leu
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Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu Ser
20 25 30

Ser Gly Pro Ser Leu His Trp Ser Tyr Gly Leu Arg Pro Gly
35 40 45

<210> 20

<211> 51

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<223> Amino acid sequence 378-398 of the Malaria circumsporozoite (CSP) protein

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<223> Amino acid sequence 2-10 of the human GnRH hormone

<400> 20

Glu His Trp Ser Tyr Gly Leu Arg Pro Gly Ser Ser Gly Pro Ser Leu
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Asp Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn
20 25 30

Val Val Asn Ser Ser Ser Gly Pro Ser Leu His Trp Ser Tyr Gly Leu
35 40 45

Arg Pro Gly
50

TEB050-12281860